

**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

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**INTERDEPARTMENT CORRESPONDENCE**

**FILE**

**OFFICE** Materials and Research  
Forest Park, Georgia  
**DATE** December 12, 2007

**FROM** Daniel Mann, Testing Management Branch Chief

**TO** Distribution (District Engineers, TMOS's, Contractor Participants and Consultants)

**SUBJECT QCT LEVEL I JOINT TRAINING WORKSHOP FOR CONSULTANTS,  
CONTRACTORS AND DOT PERSONNEL**

The annual joint training session for Contractor Quality Control Technicians, Consultants and GDOT Personnel has been scheduled for the following dates.

<u>District Auditorium</u>	<u>Training Session Date</u>	<u>Contractors Instructor Participants</u>
1-Jesup, GA	Jan. 16, 08	Pasty McMillian (Ga. Asph. Paver)
2-Tifton, GA	Jan. 17, 08	Terry Daughtry (Reeves Construction)
3-Macon, GA	Jan. 30, 08	Allen Preston (Southern Asphalt)
4-Tennille, GA	Jan. 31, 08	Dave Pierson (Augusta, Asphalt)
5-Forest Park, GA	Feb. 13, 08	Lucas Garrett (ER Snell)
6-Cartersville, GA	Feb. 20, 08	Robert Streetman (Southeastern Materials)
7-Gainesville, GA	Feb. 21, 08	Scott Alston/Kris William (C.W. Matthews)

Purpose of Joint Training

- Review sampling and testing techniques, keeping files and records, data collection, changes to specifications and meet department requirements for newly certified and recertification of Quality Control Technicians Level I (QCT).
- Enable certified personnel to waiver the written and performance testing requirements for recertification if they attend the QCT (Level I or II) training between the three year certification time periods.
- Written and performance testing will be required of all new QCTs, as is currently done.
- Four hours of hands-on FDCS training will also be required for all newly certified QCT Level I personnel. This training need to be taken within the first year of certification or the certification will be revoked. FDCS training will be held in all the Districts at least once per year, and can be available more often if needed.

- Provide the necessary information needed to improve your knowledge and skills of Asphalt Plant and Roadway Construction Sampling, Testing and Inspection.

#### Who Should Attend

- All Asphalt Producers' Level I QCTs, GDOT Field Technicians, District Construction Personnel and Consultant Firm's Level I QCTs.

#### Location

- One joint training session will be held at each District, for a total of seven sessions per year.
- A record will be kept on a data base of each attendee.

#### Instructors

- Training will be provided by representatives from the asphalt industry, consultant testing firms and GDOT.

### QCT Training

Dan Mann-Introduction: 8:00a.m. – 8:20a.m.

Mike Ellington-Field Data Collection System/Plant Diaries and Files Storage: 8:20a.m. – 9:20a.m.

1. Random Numbers
2. 159-5 Test Results Data Entry
3. Upload
4. Asphalt Plant Rating
5. Storage of Plant Diaries and Files.

Contractors Representatives – Asphalt Plant Operation and Lime System: 9:20a.m. – 10:20a.m.

1. Drum Plant
2. Batch Plant
3. Lime Systems
  - a. Volumetric Weight System
    - Daily Lime Check
    - Master Lime Check
    - Interlock Check
  - b. Depleting Weigh System
    - Daily Lime Check
    - Master Lime Checks
    - Interlock Check

Break: 10:20a.m. – 10:30 a.m.

Wallace Reese and Area Coordinators-Sampling and Testing and Extraction Analysis Test Procedures:  
10:30a.m. – 12:00p.m.

1. Sampling HMA Procedure/SMA, OGFC, and PEM
  - a. Thermometer Calibration
  - b. Sampling Procedures GSP-15
  - c. Mixture Temperature Check/Ticket Documentation
2. Vacuum Test Procedures
  - a. Vacuum GDT-83
  - b. Gradation Analysis GDT-38
  - c. Calculations
3. Ignition Test Procedures
  - a. Ignition GDT-125
  - b. Wash 200 GDT-2
  - c. Gradation Analysis GDT-38
  - d. Calculations

Lunch Break: 12:00p.m. – 1:00 p.m.

Alyce Barnett-Matchett – Responsibilities at an Asphalt Plant: 1:00a.m. – 2:15p.m.

1. Asphalt Plant Monitoring
  - a. Beginning Production
  - b. What determines a lot and an expanded lot of Asphaltic Concrete
  - c. Acceptance Testing and Frequencies Requirement
  - d. What action to take if acceptance test results are outside the Mixture Control Tolerances of Section 828
  - e. Plant Inspection Duties/QCT Check List and DOT Technician Check List
  - f. Quality Assurance Sampling and Testing/Frequencies
  - g. Comparison Testing
  - h. Frequencies for Lime System checks (DOT and QCT) and Documentation
  - i. Haul Vehicle Inspection
  - j. Daily and Quarterly Plant Scale Weight Checks
  - k. Liquid AC Samples
  - l. Stockpiles, Proper Loading of Cold Feed Bins
2. Plant Posted Documents
  - a. Lime Check Procedures
  - b. Certification
  - c. Quality Control Plans
  - d. MSDS Sheet
  - e. Temperature Control Chart

3. Plant Files
  - a. Diaries
  - b. Record Keeping
  - c. Computer Test Reports

Break: 2:15p.m. – 2:30 p.m.

Daniel Mann – Test Procedures and Pay Factors: 2:30p.m. – 3:30p.m.

1. Stripping Test Procedures GDT-56
2. Bulk Specific Gravity GDT-39
3. Theoretical Maximum Specific Gravity T-209
4. Pay Factors

Daniel Mann – Asphalt Plant Question and Answer Session: 3:30p.m. – 4:00p.m.

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